

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24556	(sulfur near2 (remov\$3 or extract\$3)) or desulfuriz\$5	US-PGPUB; USPAT	OR	ON	2009/11/09 13:33
L2	345	L1 and ((chlorous adj acid) or (perchloric adj acid) or (chlorine adj dioxide))	US-PGPUB; USPAT	OR	ON	2009/11/09 13:33
L3	23548	((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid) or NaOCl or CaOCl	US-PGPUB; USPAT	OR	ON	2009/11/09 13:35
L4	66	I2 and L3	US-PGPUB; USPAT	OR	ON	2009/11/09 13:35
L5	23	I2 and "208".clas.	US-PGPUB; USPAT	OR	ON	2009/11/09 13:39
L6	78	208/223.ccls.	US-PGPUB; USPAT	OR	ON	2009/11/09 14:13
L7	45	208/280.ccls.	US-PGPUB; USPAT	OR	ON	2009/11/09 14:13
L8	92	208/298.ccls.	US-PGPUB; USPAT	OR	ON	2009/11/09 14:13
S1	1	"10583784"	US-PGPUB; USPAT	OR	ON	2009/04/16 16:01
S2	11	"5167797"	US-PGPUB; USPAT	OR	ON	2009/04/16 16:05
S3	29	US-1783901-\$.DID. OR US-3306945-\$.DID. OR US-3367862-\$.DID. OR US-3756976-\$.DID. OR US-3898153-\$.DID. OR US-4035474-\$.DID. OR US-4225417-\$.DID. OR US-4283373-\$.DID. OR US-4320220-\$.DID. OR US-4504287-\$.DID. OR US-4456527-\$.DID. OR US-4534943-\$.DID. OR US-4575415-\$.DID. OR US-4592892-\$.DID. OR US-4634518-\$.DID. OR US-5167797-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/16 16:14

S4	30	US-1435824-\$.DID. OR US-1783901-\$.DID. OR US-2915461-\$.DID. OR US-2944010-\$.DID. OR US-3306945-\$.DID. OR US-3367862-\$.DID. OR US-3756976-\$.DID. OR US-3898153-\$.DID. OR US-4035474-\$.DID. OR US-4075094-\$.DID. OR US-4225417-\$.DID. OR US-4283373-\$.DID. OR US-4320220-\$.DID. OR US-4456527-\$.DID. OR US-4464246-\$.DID. OR US-4504287-\$.DID. OR US-4534943-\$.DID. OR US-4575415-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/16 16:15
S5	15	US-4592892-\$.DID. OR US-4634518-\$.DID. OR US-4816139-\$.DID. OR US-5087350-\$.DID. OR US-5167797-\$.DID. OR US-20020172630-\$.DID. OR US-20020174603-\$.DID. OR US-20040163311-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/16 16:15
S6	13	"723368"	US-PGPUB; USPAT	OR	ON	2009/04/16 16:15
S7	21	"723368"	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/16 16:16
S8	579	208/208R.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/17 07:45
S9	71	208/219.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/17 07:45
S10	155	208/226.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/17 07:45
S11	137	208/237.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/17 07:45
S12	15529	sulfur near2 remov\$3	US-PGPUB; USPAT	OR	ON	2009/04/17 07:45
S13	1022019	extract\$3	US-PGPUB; USPAT	OR	ON	2009/04/17 07:48
S14	11652	\$13 and (((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid) or (\$4cyanuric adj acid) or triazinetrilo\$3 or (tricarbinide)	US-PGPUB; USPAT	OR	ON	2009/04/17 07:50
S15	64949	((catalyst or \$2sorbent) same (nickel or (nickel\$3 adj sulfate) or nickel or (ferrous adj sulfate))	US-PGPUB; USPAT	OR	ON	2009/04/17 07:51

S16	40633	liquid near2 hydrocarbon	US-PGPUB; USPAT	OR	ON	2009/04/17 07:51
S17	8	S12 and S14 and S15 and S16	US-PGPUB; USPAT	OR	ON	2009/04/17 07:52
S18	259	208/244.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/17 07:57
S19	22	S12 and S14 and S16	US-PGPUB; USPAT	OR	ON	2009/04/17 08:06
S20	33	"5128049"	US-PGPUB; USPAT	OR	ON	2009/04/17 08:08
S21	6410	S13 and (((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid)) and (((chlorous or perchloric) adj acid) or (chlorine dioxide))	US-PGPUB; USPAT	OR	ON	2009/04/17 08:44
S22	13579	(((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid)) and (((chlorous or perchloric) adj acid) or (chlorine dioxide))	US-PGPUB; USPAT	OR	ON	2009/04/17 08:44
S23	18	S12 and S16 and S22	US-PGPUB; USPAT	OR	ON	2009/04/17 08:44
S24	2503	(((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid)) and (((chlorous or perchloric) adj acid) or (chlorine adj dioxide))	US-PGPUB; USPAT	OR	ON	2009/04/17 08:45
S25	3	S12 and S16 and S24	US-PGPUB; USPAT	OR	ON	2009/04/17 08:45
S26	15776	sulfur near2 (remov\$3 or scaveng\$3)	US-PGPUB; USPAT	OR	ON	2009/04/17 09:00
S27	3	S16 and S24 and S26	US-PGPUB; USPAT	OR	ON	2009/04/17 09:01
S28	494860	hydrocarbon	US-PGPUB; USPAT	OR	ON	2009/04/17 09:01
S29	12	S24 and S26 and S28	US-PGPUB; USPAT	OR	ON	2009/04/17 09:02
S30	6	(S8 or S9 or S10 or S11 or S18) and S24	US-PGPUB; USPAT	OR	ON	2009/04/17 09:09
S31	25764	((chlorous or perchloric) adj acid) or (chlorine adj dioxide)	US-PGPUB; USPAT	OR	ON	2009/04/17 09:11
S32	10	(S8 or S9 or S10 or S11 or S18) and S31	US-PGPUB; USPAT	OR	ON	2009/04/17 09:11

S33	6	((sulfur or sulphur) near3 remov\$3) and hydrocarbon and (((chlorous or perchloric) near2 acid) or (chlorine adj dioxide))	EPO; JPO; DERWENT	OR	ON	2009/04/17 09:18
S34	6	((sulfur or sulphur) near3 remov\$3) and hydrocarbon and (((chlorous or perchloric) near2 acid) or (chlorine adj dioxide) or "HClO.sub.4" or "HClO.sub.2" or "ClO.sub.2")	EPO; JPO; DERWENT	OR	ON	2009/04/17 09:29
S37	4009	(cyanuric adj acid) or syn-triazine-2,4,6-triol or 1,3,5-triazine-2,4,6 or syn-triazinetriol or 2,4,6-trihydroxy-1,3,5-triazine or trihydroxycyanidine or (tricyanic adj acid) or "sodium trichloroisocyanuric acid"	US-PGPUB; USPAT	OR	ON	2009/04/17 10:10
S38	12	S16 and S26 and S37	US-PGPUB; USPAT	OR	ON	2009/04/17 10:11
S39	1	(S8 or S9 or S10 or S11 or S18) and S37	US-PGPUB; USPAT	OR	ON	2009/04/17 10:11
S40	20	S37 and ("208".clas. or "585".clas.)	US-PGPUB; USPAT	OR	ON	2009/04/17 10:12
S41	66838	(cyanuric adj acid) or triazine\$4	US-PGPUB; USPAT	OR	ON	2009/04/17 10:14
S42	15	(S8 or S9 or S10 or S11 or S18) and S41	US-PGPUB; USPAT	OR	ON	2009/04/17 10:14
S43	1	(S8 or S9 or S10 or S11 or S18) and (cyanuric adj acid)	US-PGPUB; USPAT	OR	ON	2009/04/17 10:42
S44	29	US-1783901-\$.DID. OR US-3306945-\$.DID. OR US-3367862-\$.DID. OR US-3756976-\$.DID. OR US-3898153-\$.DID. OR US-4035474-\$.DID. OR US-4225417-\$.DID. OR US-4283373-\$.DID. OR US-4320220-\$.DID. OR US-4504287-\$.DID. OR US-4456527-\$.DID. OR US-4534943-\$.DID. OR US-4575415-\$.DID. OR US-4592892-\$.DID. OR US-4634518-\$.DID. OR US-5167797-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/17 10:43

S45	30	US-1435824-\$.DID. OR US-1783901-\$.DID. OR US-2915461-\$.DID. OR US-2944010-\$.DID. OR US-3306945-\$.DID. OR US-3367862-\$.DID. OR US-3756976-\$.DID. OR US-3898153-\$.DID. OR US-4035474-\$.DID. OR US-4075094-\$.DID. OR US-4225417-\$.DID. OR US-4283373-\$.DID. OR US-4320220-\$.DID. OR US-4456527-\$.DID. OR US-4464246-\$.DID. OR US-4504287-\$.DID. OR US-4534943-\$.DID. OR US-4575415-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/17 10:43
S46	15	US-4592892-\$.DID. OR US-4634518-\$.DID. OR US-4816139-\$.DID. OR US-5087350-\$.DID. OR US-5167797-\$.DID. OR US-20020172630-\$.DID. OR US-20020174603-\$.DID. OR US-20040163311-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/17 10:43
S47	1	(S44 or S45 or S46) and (cyanuric adj acid)	US-PGPUB; USPAT	OR	ON	2009/04/17 10:43
S48	13	(cyanuric adj acid) and "208". clas.	US-PGPUB; USPAT	OR	ON	2009/04/17 11:15
S49	2086	(catalyst or \$2sorbent) same ((nickel\$3 adj sulfate) or ((ferrous or iron) adj sulfate))	US-PGPUB; USPAT	OR	ON	2009/04/17 11:41
S50	40	S12 and S16 and S49	US-PGPUB; USPAT	OR	ON	2009/04/17 11:42
S51	750	(catalyst or \$2sorbent) same ((nickel\$3 adj sulfate) or ((ferrous or iron) adj sulfate))	EPO; JPO; DERWENT	OR	ON	2009/04/17 11:50
S52	1555	((sulfur or sulphur) near3 remov\$3) and hydrocarbon	EPO; JPO; DERWENT	OR	ON	2009/04/17 11:51
S53	1	S51 and S52	EPO; JPO; DERWENT	OR	ON	2009/04/17 11:51
S54	10506	((nickel\$3 adj sulfate) or ((ferrous or iron) adj sulfate))	EPO; JPO; DERWENT	OR	ON	2009/04/17 11:51
S55	8	S52 and S54	EPO; JPO; DERWENT	OR	ON	2009/04/17 11:51
S56	579	208/208R.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/17 13:06

S57	13	S56 and ((nickel\$3 or iron or ferrous) adj sulfate)	US-PGPUB; USPAT	OR	ON	2009/04/17 13:06
S58	23	"4775462"	US-PGPUB; USPAT	OR	ON	2009/04/17 13:08
S59	0	"10190919"	US-PGPUB; USPAT	OR	ON	2009/04/17 14:14
S60	1	"20040007501"	US-PGPUB; USPAT	OR	ON	2009/04/17 14:15
S61	1072	((chlorous or perchloric) adj acid) and ((sulf\$3 or sulph\$3) near2 (remov\$3 or scaveng\$3))	US-PGPUB; USPAT	OR	ON	2009/04/17 14:38
S62	609	S61 and hydrocarbon	US-PGPUB; USPAT	OR	ON	2009/04/17 14:38
S63	26	S61 and (liquid near2 hydrocarbon)	US-PGPUB; USPAT	OR	ON	2009/04/17 14:39
S64	1401	((chlorous or perchloric) adj acid) or (chlorine adj dioxide) and ((sulf\$3 or sulph\$3) near2 (remov\$3 or scaveng\$3))	US-PGPUB; USPAT	OR	ON	2009/04/17 14:41
S65	42	S64 and (liquid near2 hydrocarbon)	US-PGPUB; USPAT	OR	ON	2009/04/17 14:41
S66	16	"4473115"	US-PGPUB; USPAT	OR	ON	2009/04/17 14:42
S67	2664	((chlorous or perchloric or hypochlorous) adj acid) or (chlorine adj dioxide) or hypochlorite) and ((sulf\$3 or sulph\$3) near2 (remov\$3 or scaveng\$3))	US-PGPUB; USPAT	OR	ON	2009/04/21 11:04
S68	1401	((chlorous or perchloric) adj acid) or (chlorine adj dioxide) and ((sulf\$3 or sulph\$3) near2 (remov\$3 or scaveng\$3))	US-PGPUB; USPAT	OR	ON	2009/04/21 11:04
S69	42	S68 and (liquid near2 hydrocarbon)	US-PGPUB; USPAT	OR	ON	2009/04/21 11:04
S70	42	S67 and S69	US-PGPUB; USPAT	OR	ON	2009/04/21 11:04
S71	1417	S67 and hydrocarbon	US-PGPUB; USPAT	OR	ON	2009/04/21 11:06
S72	96	S67 and (liquid near2 hydrocarbon)	US-PGPUB; USPAT	OR	ON	2009/04/21 11:06

S73	29	US-1783901-\$.DID. OR US-3306945-\$.DID. OR US-3367862-\$.DID. OR US-3756976-\$.DID. OR US-3898153-\$.DID. OR US-4035474-\$.DID. OR US-4225417-\$.DID. OR US-4283373-\$.DID. OR US-4320220-\$.DID. OR US-4504287-\$.DID. OR US-4456527-\$.DID. OR US-4534943-\$.DID. OR US-4575415-\$.DID. OR US-4592892-\$.DID. OR US-4634518-\$.DID. OR US-5167797-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/21 11:16
S74	30	US-1435824-\$.DID. OR US-1783901-\$.DID. OR US-2915461-\$.DID. OR US-2944010-\$.DID. OR US-3306945-\$.DID. OR US-3367862-\$.DID. OR US-3756976-\$.DID. OR US-3898153-\$.DID. OR US-4035474-\$.DID. OR US-4075094-\$.DID. OR US-4225417-\$.DID. OR US-4283373-\$.DID. OR US-4320220-\$.DID. OR US-4456527-\$.DID. OR US-4464246-\$.DID. OR US-4504287-\$.DID. OR US-4534943-\$.DID. OR US-4575415-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/21 11:16
S75	15	US-4592892-\$.DID. OR US-4634518-\$.DID. OR US-4816139-\$.DID. OR US-5087350-\$.DID. OR US-5167797-\$.DID. OR US-20020172630-\$.DID. OR US-20020174603-\$.DID. OR US-20040163311-\$.DID.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/21 11:16
S76	7	((chlorous or perchloric or hypochlorous) adj acid) or (chlorine adj dioxide) or hypochlorite) and (S73 or S74 or S75)	US-PGPUB; USPAT	OR	ON	2009/04/21 11:16
S77	37	"4592892"	US-PGPUB; USPAT	OR	ON	2009/04/21 15:17
S78	179	eberly.in.	US-PGPUB; USPAT	OR	ON	2009/04/21 15:18
S79	6	S78 and (metal adj catalyst) and alumina	US-PGPUB; USPAT	OR	ON	2009/04/21 15:19

S80	24556	(sulfur near2 (remov\$3 or extract\$3)) or desulfuriz\$5	US-PGPUB; USPAT	OR	ON	2009/11/06 12:04
S81	14111	((((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid)) and (((chlorous or perchloric) adj acid) or (chlorine dioxide)))	US-PGPUB; USPAT	OR	ON	2009/11/06 12:04
S82	339	S80 and S81	US-PGPUB; USPAT	OR	ON	2009/11/06 12:04
S83	14	S82 and "208".das.	US-PGPUB; USPAT	OR	ON	2009/11/06 12:04
S84	21803	((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid)	US-PGPUB; USPAT	OR	ON	2009/11/06 12:07
S85	391	S80 and S84	US-PGPUB; USPAT	OR	ON	2009/11/06 12:07
S86	21	S85 and "208".das.	US-PGPUB; USPAT	OR	ON	2009/11/06 12:07
S87	54	("1999041"   "2066925"   "2713077"   "2718489"   "2730486"   "2831799"   "2903422"   "2915461"   "2944010"   "3039957"   "3052625"   "3108948"   "3282831"   "3284531"   "3325553"   "3387941"   "3655803"   "3660512"   "3674680"   "3778485"   "3867509"   "3873672"   "3876530"   "3898155"   "3983030"   "4136021"   "4139459"   "4191814"   "4207398"   "4212729"   "4273878"   "4411771"   "4447314"   "4601816"). PN. OR ("4816139").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:48
S88	23548	((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid) or NaOCl or CaOCl	US-PGPUB; USPAT	OR	ON	2009/11/09 08:39
S89	24556	(sulfur near2 (remov\$3 or extract\$3)) or desulfuriz\$5	US-PGPUB; USPAT	OR	ON	2009/11/09 08:39
S91	21	S88 and S89 and "208".das.	US-PGPUB; USPAT	OR	ON	2009/11/09 08:40
S92	9830	((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid) or NaOCl or CaOCl	EPO; JPO; DERWENT	OR	ON	2009/11/09 08:40
S93	22667	(sulfur near2 (remov\$3 or extract\$3)) or desulfuriz\$5	EPO; JPO; DERWENT	OR	ON	2009/11/09 08:41
S94	63	S92 and S93	EPO; JPO; DERWENT	OR	ON	2009/11/09 08:41



S95	26796	((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid) or NaOCl or CaOCl or (cyanuric adj acid)	US-PGPUB; USPAT	OR	ON	2009/11/09 08:59
S96	7239	aqueous same (((sodium or calcium) adj hypochlorite) or (hypochlorous adj acid) or NaOCl or CaOCl or (cyanuric adj acid))	US-PGPUB; USPAT	OR	ON	2009/11/09 09:00
S97	140	S96 and S89	US-PGPUB; USPAT	OR	ON	2009/11/09 09:00
S98	15	US-4592892-\$.DID. OR US-4634518-\$.DID. OR US-4816139-\$.DID. OR US-5087350-\$.DID. OR US-5167797-\$.DID. OR US-20020172630-\$.DID. OR US-20020174603-\$.DID. OR US-20040163311-\$.DID.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/11/09 09:48

**EAST Search History (Interference)**

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**11/ 9/ 2009 2:59:18 PM****C:\ Documents and Settings\ robinson2\ My Documents\ EAST\ Workspaces\ 10583784.wsp**